

Techtronics – Technology Courses for Students in 4th through 8th grade

Techtronics by the Numbers, 2015-16

Locations

11

- Capital Area District Library
Foster Community Center, Holt
Downtown, South Cedar
- Foster Community Center
- Greer Community Center
- Lansing Community College
- St. Vincent Catholic Charities
-Village Network Center
- Michigan State University
-CHESS

Students served

611

- 69 students at CADL
- 224 students at Foster
- 42 students at Greer
- 100 students at LCC
- 47 students at SVCC
- 27 students at VNC
- 58 students at MSU
- 44 students with CHESS

Number of Camps and Clubs

42

Successfully completed
camps and clubs
over the past school year.

About ITEC

A Lansing-based non-profit organization, the Information Technology Empowerment Center works with students and families in Michigan to build excitement for coursework and careers in science, technology, engineering and math.

Program Summary

ITEC's Techtronics courses allow students in the Lansing area to explore their inner scientist, film director, or engineer by engaging in rigorous technology-focused curricula with their peers. Topics such as Game Design, Digital Media, LEGO Robotics®, Web Design, Scratch Coding, 3-D Printing, Raspberry Pi and App Design make up the Techtronics courses offered by ITEC in Lansing.

Students attend after-school clubs twice per week for one to two hours each session or summer camps five times per week for three hour sessions. Working individually and in teams, students build robots, design games, apps and websites. Instructors provide students with instruction and guidance on completing their projects.



Instructors create a fun, safe, hands-on learning experience for students. In ITEC classes everyone has an opportunity to explore and work with their peers.

Program History

ITEC began offering afterschool technology education classes in a handful of Lansing middle schools in 2008. ITEC expanded K-12 programs to over thirteen locations in the Greater Lansing community while piloting programs in the City of Flint in 2010. In 2012, we more than doubled the number of summer camps we offered and expanded our K-12 programs to Flint.

Today, Techtronics camps are offered in libraries, community centers, colleges, churches and other nonprofit locations across Lansing.

“ITEC has been teaching Lego Robotics and Game Design with our children for about a year, and it has been a phenomenal experience for our kids. By learning about technology, robotics, and game design, ITEC is opening the door to the types of careers that our kids could possibly have in those fields. ITEC’s focus on serving low income populations provides an opportunity and exposure to skills and careers that these kids would otherwise not have access to.”

Cindy Herfindahl
Director of Development
St. Vincent Catholic Charities

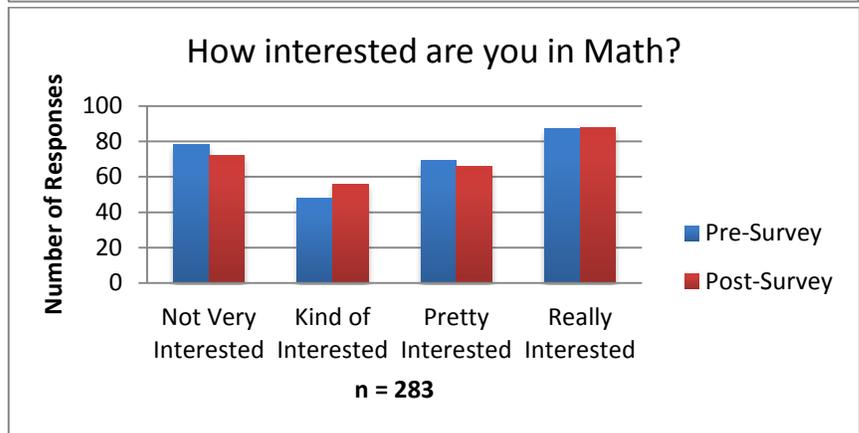
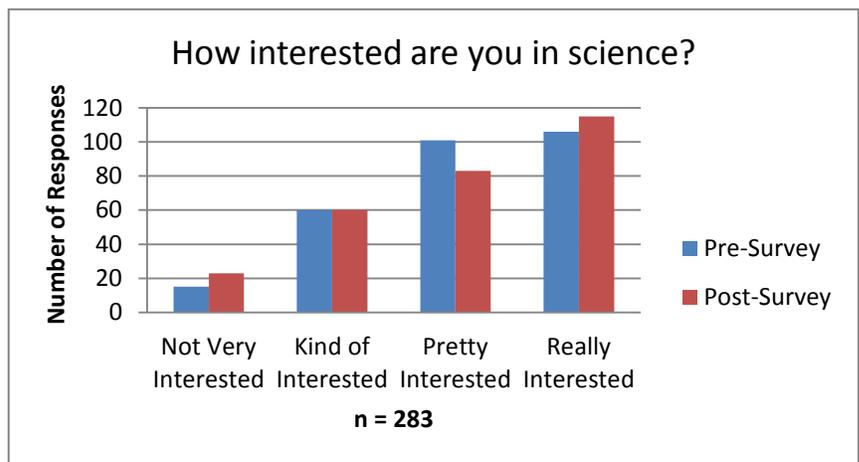
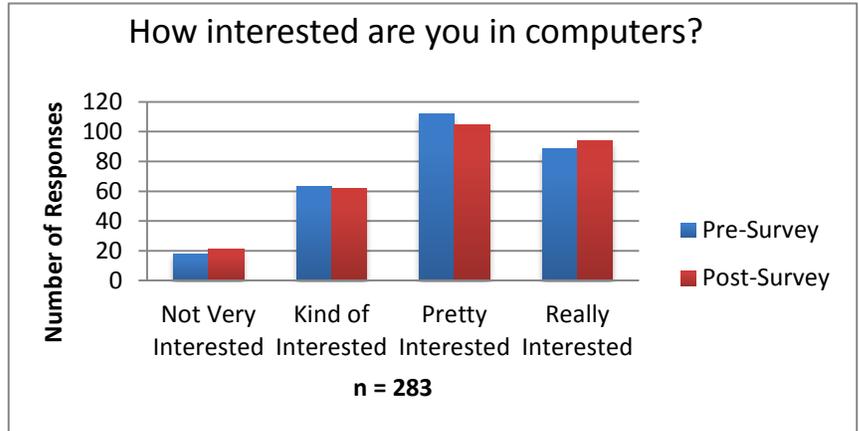
For more information contact
Shannon Fransen,
Director of Education
at 517-708-4392 or email
shannon@iteclansing.org



Program Results

Student Attitudes

Student surveys were collected from participants at all Techtronics locations, from Fall 2015 through Spring 2016. Overall, students responded positively to the curriculum, demonstrating gains in their interest in technology, science and mathematics.



The numbers above reflect only the students who responded to both pre and post surveys.